**Table 3.5.3.**
**Extrapolation from the Survey of Childbearing Women (CBW):**

**Estimate of HIV Prevalence Among Blacks, Tennessee**

1. **Estimate HIV seroprevalence among black women of childbearing age, (using data from the 1993-1994 and 1994-1995 survey cycles)**

| HIV seropositivity among black childbearing women, TN | | Black women aged 15-44 years, 1995 est.[1] population, TN | | Estimate of HIV prevalence among black women aged 15-44 years |
|---|---|---|---|---|
| | x | | = | |
| 0.0038 | x | 200,739 | = | 763 |

2. **Adjust for black women older or younger than the childbearing age-range, Tennessee**

| Estimate of HIV prevalence among black women aged 15-44 years | | Proportion of all black women with AIDS aged 15-44 (diagnosed in 1995) | | Estimate of HIV prevalence among black women of all ages |
|---|---|---|---|---|
| | ÷ | | = | |
| 763 | ÷ | 0.9538[2] | = | 800 |

3. **Adjust for decreased fertility in black women diagnosed with AIDS opportunistic infections (AIDS-OIs)**

| (No. of black women diagnosed with AIDS OIs through 1995 | | No. of black women with AIDS who had died through 1995) | | Adjustment for completeness of reporting | | Estimate of number of black women with AIDS-OIs |
|---|---|---|---|---|---|---|
| | - | | ÷ | | = | |
| 196 | - | 144 | ÷ | 0.9[3] | = | 58 |

4. **Add estimate number of living HIV-infected black women who have already been diagnosed with AIDS-OIs (from step 3) to seroprevalence estimate obtained in step 2**

| Estimate of HIV prevalence among all black women (from step 2) | | Estimate of number of black women with AIDS- OIs (from step 3) | | Total estimated prevalence of HIV among black women |
|---|---|---|---|---|
| | + | | = | |
| 800 | + | 58 | = | 858 |